

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/722, 903 C  
Source: IFW/6  
Date Processed by STIC: 08/29/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/29/2006

PATENT APPLICATION: US/10/722,903C

TIME: 09:39:32

Input Set : A:\Corrected Sequence Listing.txt

Output Set: N:\CRF4\08292006\J722903C.raw

3 <110> APPLICANT: GTC Biotherapeutics, Inc.

5 <120> TITLE OF INVENTION: Modified Antibodies Stably Produced in Milk and Methods of Producing

6 Same

8 <130> FILE REFERENCE: G0744.70013US01 (formerly GTC-53)

10 <140> CURRENT APPLICATION NUMBER: 10/722,903C

11 <141> CURRENT FILING DATE: 2003-11-26

13 <150> PRIOR APPLICATION NUMBER: 60/429,606

14 <151> PRIOR FILING DATE: 2002-11-27

16 <160> NUMBER OF SEQ ID NOS: 10

18 <170> SOFTWARE: PatentIn version 3.2

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 61

22 <212> TYPE: DNA

23 <213> ORGANISM: Homo sapiens

26 <220> FEATURE:

27 <221> NAME/KEY: misc\_feature

28 <223> OTHER INFORMATION: IgG4 Hinge Region Nucleic Acid

30 <400> SEQUENCE: 1

31 tctgcagagt ccaaatatgg tcccccatgc ccatcatgcc caggtaagcc aaccaggcc 60

33 t 61

36 <210> SEQ ID NO: 2

37 <211> LENGTH: 12

38 <212> TYPE: PRT

39 <213> ORGANISM: Homo sapiens

42 <220> FEATURE:

43 <221> NAME/KEY: misc\_feature

44 <223> OTHER INFORMATION: IgG4 Hinge Region Amino Acid

46 <400> SEQUENCE: 2

48 Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser Cys Pro

49 1 5 10

52 <210> SEQ ID NO: 3

53 <211> LENGTH: 33

54 <212> TYPE: DNA

55 <213> ORGANISM: Artificial Sequence

57 <220> FEATURE:

58 <221> NAME/KEY: misc\_feature

59 <223> OTHER INFORMATION: S241P Oligo Nucleic Acid

61 <400> SEQUENCE: 3

62 ggtcccccat gtcttcctg cccaggtaag cca 33

65 <210> SEQ ID NO: 4

66 <211> LENGTH: 11

67 <212> TYPE: PRT

68 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 08/29/2006

PATENT APPLICATION: US/10/722,903C

TIME: 09:39:32

Input Set : A:\Corrected Sequence Listing.txt

Output Set: N:\CRF4\08292006\J722903C.raw

```

71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <223> OTHER INFORMATION: S241P Oligo Amino Acid
75 <400> SEQUENCE: 4
77 Gly Pro Pro Cys Pro Pro Cys Pro Gly Lys Pro
78 1          5          10
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 65
83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <223> OTHER INFORMATION: IgG4 Hinge Region Nucleic Acid
91 <400> SEQUENCE: 5
92 cttctctctg cagagtccaa atatggtccc ccatgcccac catgcccagg tccgccaaacc 60
94 caggc 65
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 12
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <223> OTHER INFORMATION: IgG4 Hinge Region Amino Acid
107 <400> SEQUENCE: 6
109 Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser Cys Pro
110 1          5          10
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 65
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <223> OTHER INFORMATION: IgG2 Hinge Region Nucleic Acid
124 <400> SEQUENCE: 7
125 cttctctctg cagagcgcaa atgttgtgtc gagggtccac cgtgcccagg tccgccaaacc 60
127 caggc 65
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 12
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
136 <220> FEATURE:
137 <221> NAME/KEY: misc_feature
138 <223> OTHER INFORMATION: IgG2 Hinge Region Amino Acid
140 <400> SEQUENCE: 8
142 Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro
143 1          5          10
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 33
148 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 08/29/2006

PATENT APPLICATION: US/10/722,903C

TIME: 09:39:32

Input Set : A:\Corrected Sequence Listing.txt

Output Set: N:\CRF4\08292006\J722903C.raw

149 <213> ORGANISM: Artificial Sequence  
152 <220> FEATURE:  
153 <221> NAME/KEY: misc\_feature  
154 <223> OTHER INFORMATION: Oligo 2014 Nucleic Acid  
156 <400> SEQUENCE: 9  
157 gaggagcagt tccagtctac ttaccgagtg gtc  
160 <210> SEQ ID NO: 10  
161 <211> LENGTH: 11  
162 <212> TYPE: PRT  
163 <213> ORGANISM: Artificial Sequence  
166 <220> FEATURE:  
167 <221> NAME/KEY: misc\_feature  
168 <223> OTHER INFORMATION: Oligo 2014 Amino Acid  
171 <400> SEQUENCE: 10  
173 Glu Glu Gln Phe Gln Ser Thr Tyr Arg Val Val  
174 1 5 10

33

**VERIFICATION SUMMARY**

DATE: 08/29/2006

PATENT APPLICATION: US/10/722,903C

TIME: 09:39:34

Input Set : A:\Corrected Sequence Listing.txt

Output Set: N:\CRF4\08292006\J722903C.raw